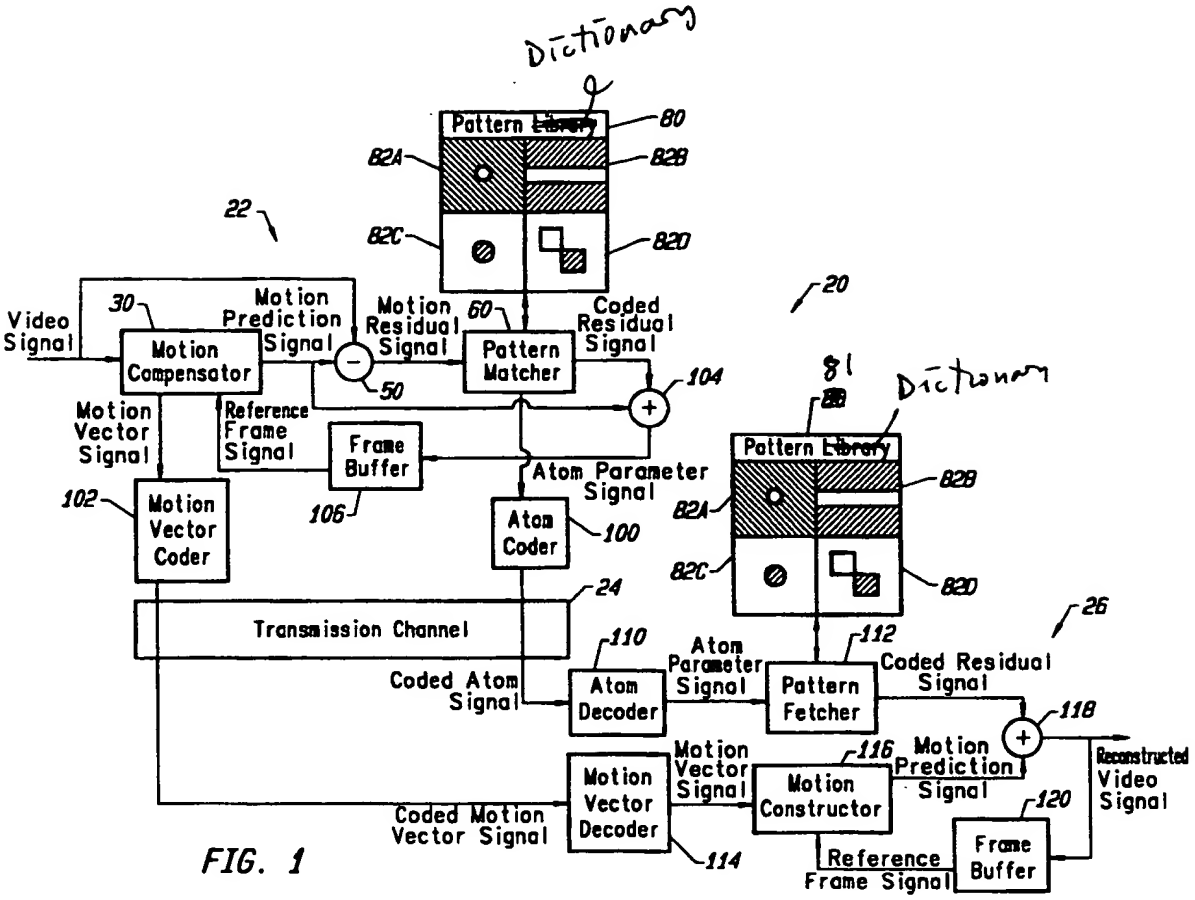

FIG. 1

FIGURE 1

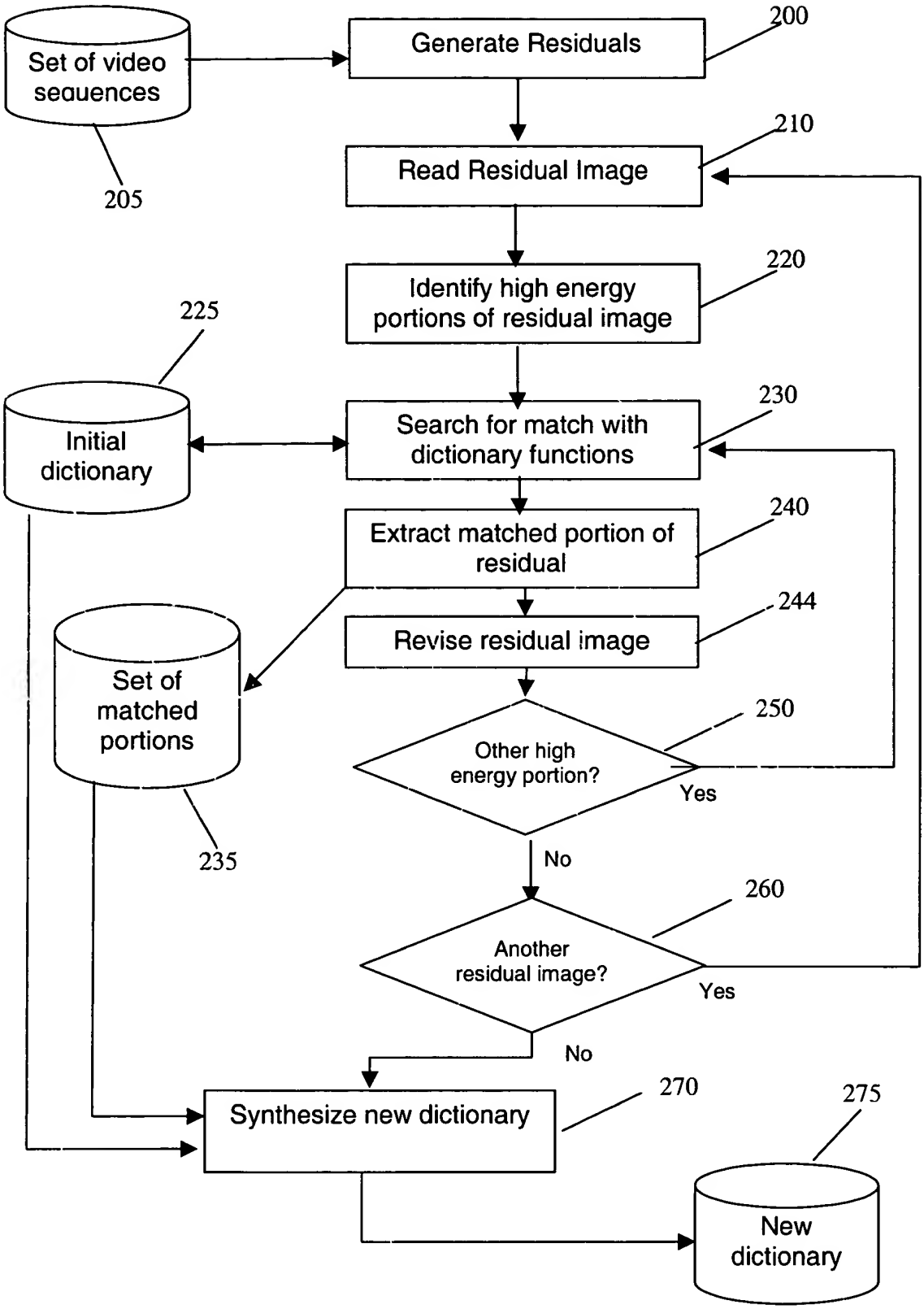

FIGURE 2: Flow chart of the dictionary generation method

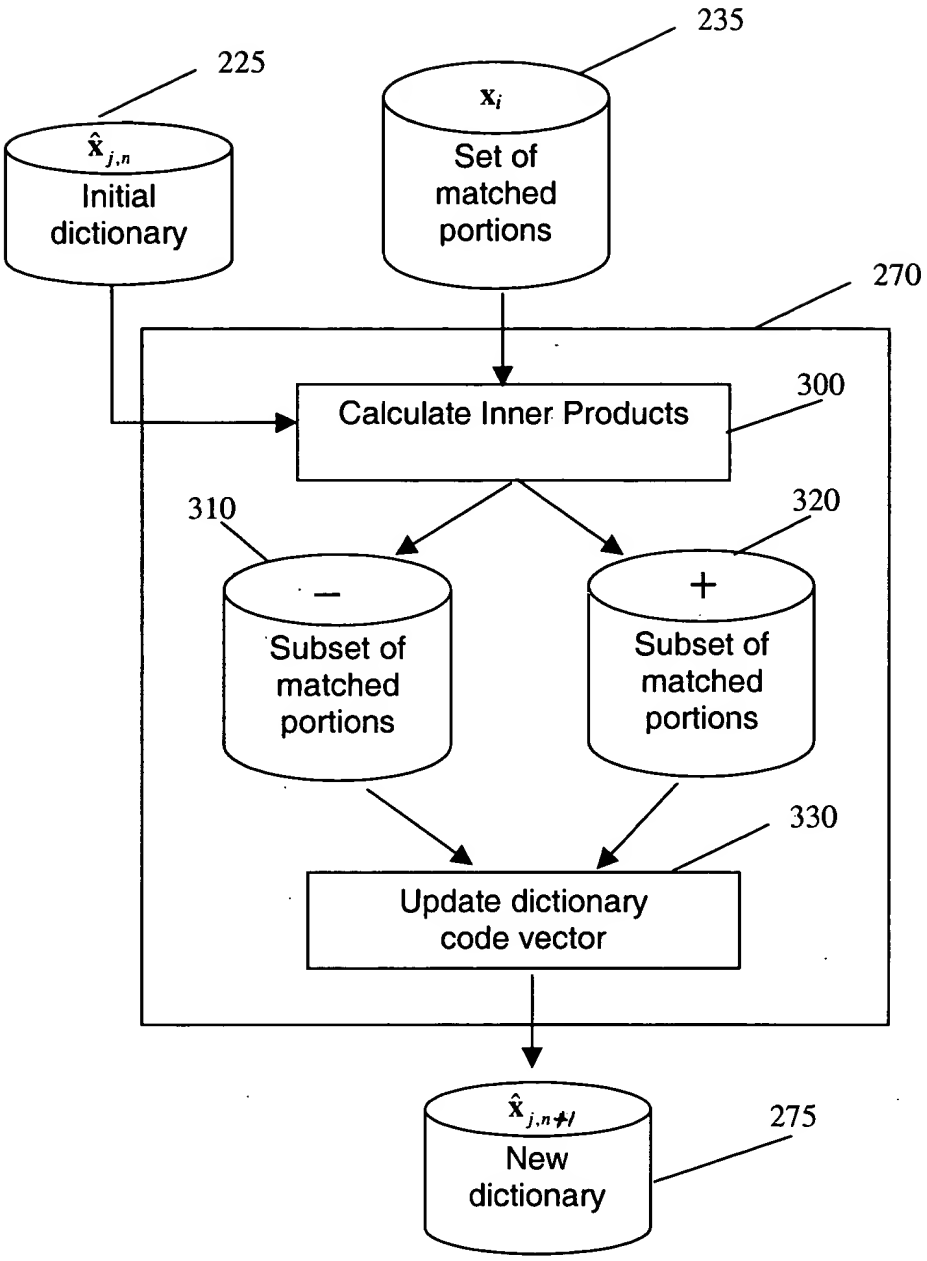
235
225
$\mathbf{x}_i$
$\hat{\mathbf{x}}_{j,n}$
Initial dictionary
Set of matched portions
270
300
Calculate Inner Products
310
320
−
+
Subset of matched portions
Subset of matched portions
330
Update dictionary code vector
$\hat{\mathbf{x}}_{j,n+1}$
New dictionary
275

FIGURE 3.

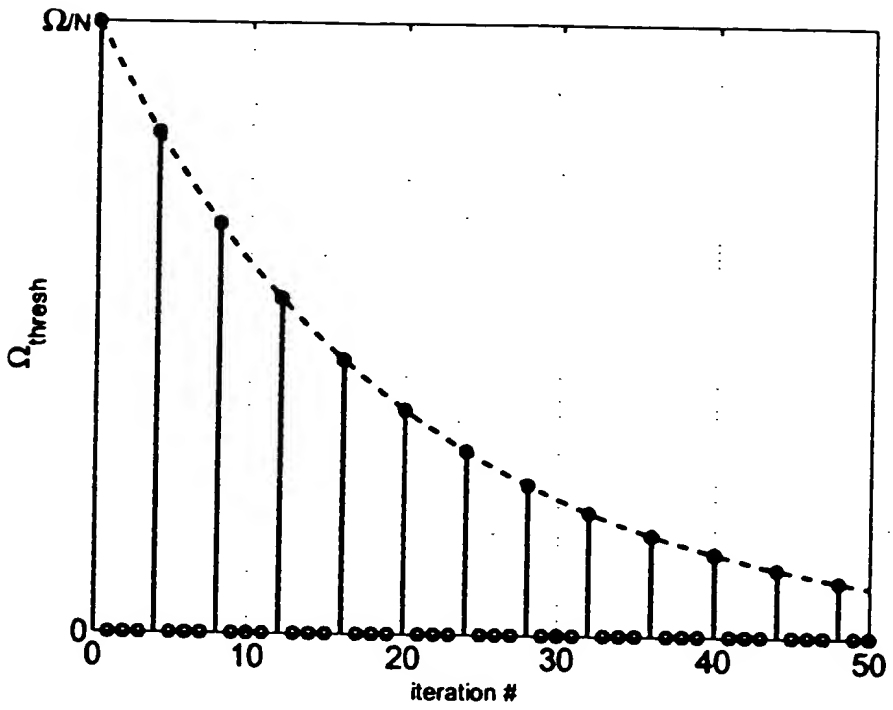

FIGURE 4.

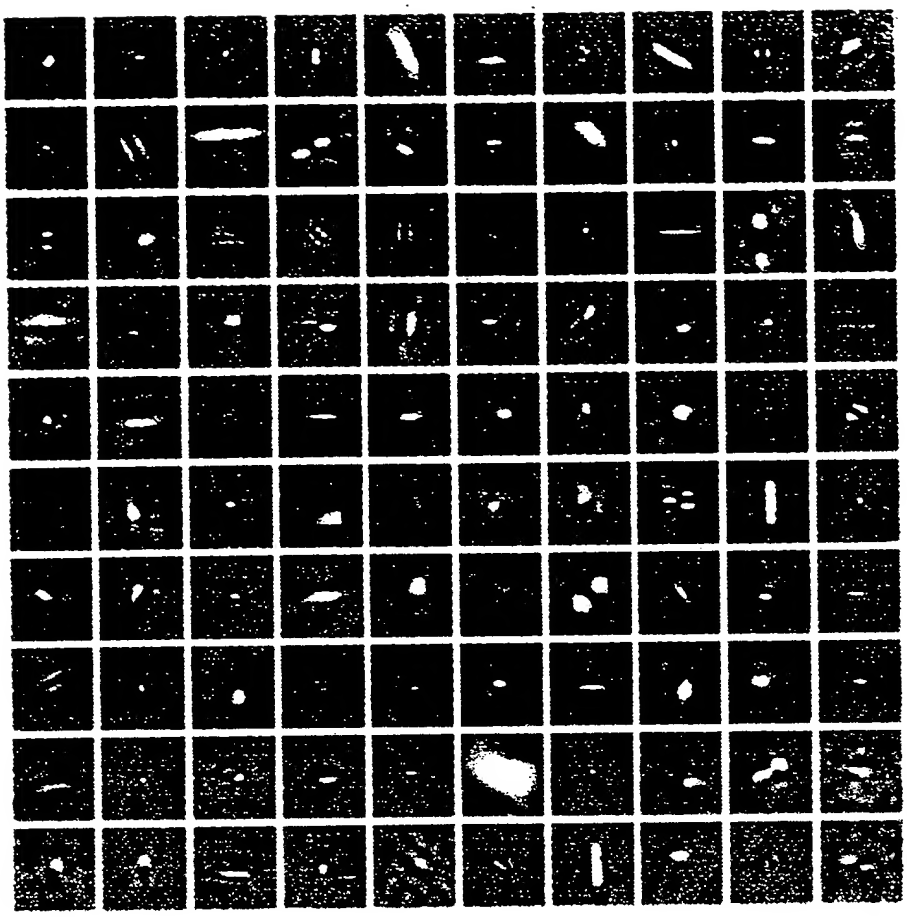

FIGURE 5.

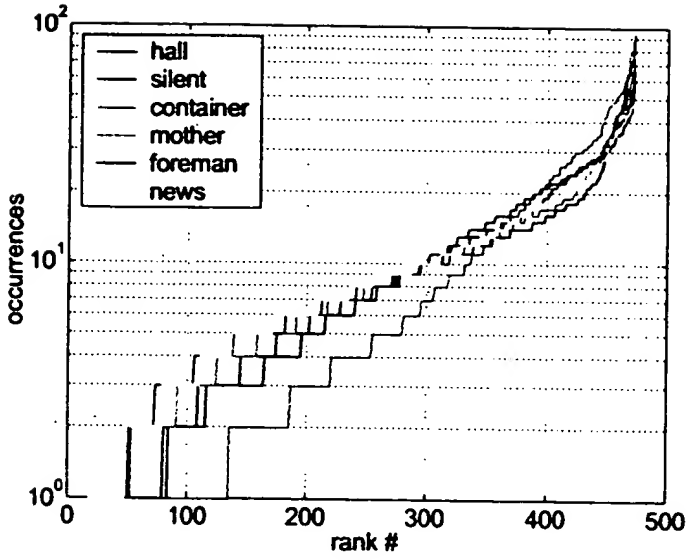
hall
silent
container
mother
foreman
news
occurrences
rank #
10^2
10^1
10^0
0
100
200
300
400
500

FIGURE 6.

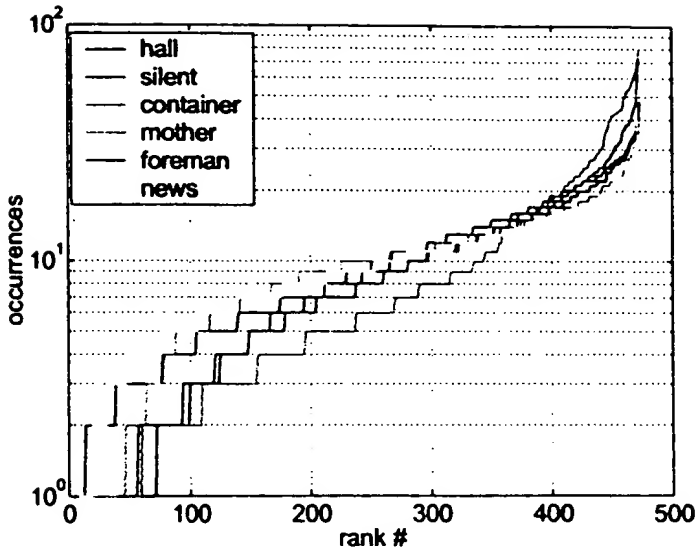
hall
silent
container
mother
foreman
news
occurrences
rank #
10^2
10^1
10^0
0
100
200
300
400
500

FIGURE 7.

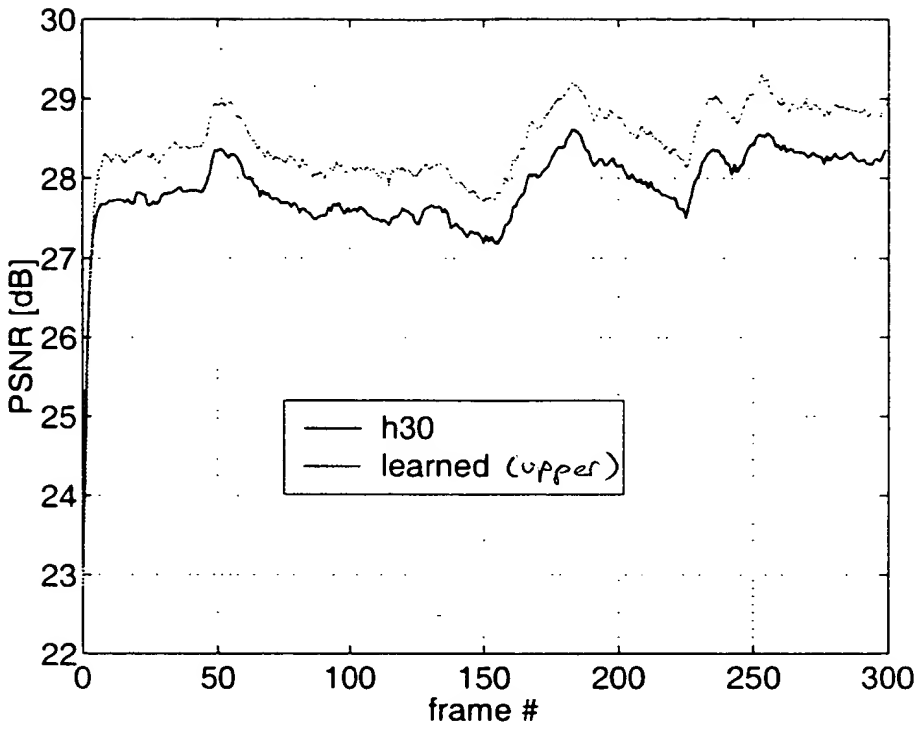
30
29
28
27
26
25
24
23
22
PSNR [dB]
0
50
100
150
200
250
300
frame #
h30
learned (upper)

FIGURE 8.